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8430.418 Million cell updates/sec
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                                                                                                                                                                                                                                                                   US-10-082-894-1
1719
1 gittaattacccaagtitga.....aaatctccgttataaaaatt 1719
                                                                                                                                                             August 4, 2003, 12:21:43; Search time 90 Seconds
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2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                569978 seqs, 220691566 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                                                         - nucleic search, using sw model
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Perfect score:
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	Description	Sequence 1297, Ap			Sequence 6920, Ap		6774,	87, A	87,	87,	87,	34,	34,	34,	34,	55,	52,	55,	55,	138,	85, A		. 523	Sequence 1614, Ap	Sequence 1, Appli	ъ. e	1,	1031
SUMMARIES	ID	US-09-328-352-1297	US-08-545-528D-1	US-09-134-001C-2607	US-09-252-991A-6920.	US-09-252-991A-6824	US-09-252-991A-6774	US-08-714-918-87	US-09-265-315-87	US-09-265-315-87	US-09-266-417-87	US-08-975-762-34	US-08-821-324-34	US-09-295-028-34	US-09-106-582-34	US-09-398-395A-55	US-09-887-586A-55	US-09-895-752-55	US-09-903-012B-55	US-09-669-751-138	US-09-601-198-85	US-09-134-001C-196	5231168-1	US-09-134-001C-1614	US-09-679-409-1	US-08-916-421B-1	US-08-916-421B-1	US-08-998-416-1031
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	Query Match Length DB	1566	580073	1554	1557	1590	741	2094	2094	2094	2094	484	484	484	484	2861	2861	2861	2861	521	864	1329	3095	1557	319608	1664976	1664976	729
de	Query Match	17.2	16.6	15.8	8.9	8.9	6.1	5.5	5.5	5,5	5.5	4.7	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.5	2.5	2.5	2.1	2.1	2.1	2.1	2.1	2.1
	Score	295.8	284.8	271.2	153.2	153.2	105.4	95.2	95.2	95.2	95.2	81.4	81.4	81.4	81.4	39.8	39.8	39.8	39.8	37.8	37.8	37.4	36.6	36.4	36.2	36.2	36.2	36
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Sequence 1, Appli	Sequence 624, App	Sequence 2915, Ap	Sequence 1, Appli	Sequence 1, Appli	Sequence 12, Appl	Sequence 38, Appl	Sequence 38, Appl	Sequence 38, Appl	Sequence 3506, Ap	Sequence 66, Appl	Sequence 17, Appl	Sequence 20, Appl	Sequence 2003, Ap	Sequence 2019, Ap	Patent No.5175095	Seguence 1, Appli	Sequence 140, App
US-09-539-333D-1	US-09-328-352-624	US-09-328-352-2915	US-08-968-542C-1	US-09-213-053-1	US-08-913-159-12	US-09-302-812-38	US-09-511-477-38	US-09-511-507-38	. US-09-328-352-3506	US-08-584-760A-66	US-09-322-478-17	US-09-322-478-20	US-09-134-001C-2003	US-09-134-001C-2019	5175095-4	US-08-545-528D-1	US-09-601-198-140
08 4	2088 4	648 4	27 2	16 3	2355 4	93 4	93 4	93 4	00 4	11 3	86 4	71 4	66 4	80 4	83 6	173 4	46 4
3196	50	9	9	62	23	. 297	29793	297	12	13	12286	12571	m	13	43	5800	14
2.1	2.1	2.1	2.1	2.1	7.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
35.8	35.6	35.4	35.4	35.4	35.2	35.2	35.2	35.2	34.8	34.8	34.6	34.6	34.4	34.4	34.4	34.4	34.2
28	59	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
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RESULT 1 US-09-328-352-1297 Sequence 1297, Application US/09328352 ; Patent No. 6562958 ; GENERAL INFORMATION: APPLICANT: Gary L. Breton et al.	TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS FILE REFERENCE: GTO99-03P9	CURRENT APPLICATION NUMBER: US/09/328,352 CURRENT FILING DATE: 1999-06-04 NUMBER OF SEQ ID NOS: 8252	SEQ ID NO 1297 LENGTH: 1566 TYPE: DNA	; ORGANISM: Acinetobacter baumannii US-09-328-352-1297
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ALIGNMENTS

ACINETOBACIFE

9

Gaps

18;

DB 4; Length 1566;

Ouery Match 17.2%; Score 295.8; DB 4; Length 15 Best Local Similarity 55.4%; Pred. No. 8.3e-72; Matches 702; Conservative 0; Mismatches 547; Indels

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PRIOR APPLICATION NUMBER: US 08/488,018 PRIOR FILING DATE: 1995-06-07 PRIOR PLILING DATE: 1995-06-07 NUMBER OF SEQ ID NOS: 1 SOFTWARE: Patentin version 3.1 SEQ ID NO 1 LENGTH: 580073 TYPE: DNA OKGANISM: Mycoplasma genitalium US-08-545-528D-1	Query Match Best Local Similarity 52.4%; Pred. No. 1.3e-67; Matches 756; Conservative 0; Mismatches 662; Indels 24; Gaps 5;	OY 38 AIGTICAACAAAAGICIGICITGIAGITATIGAIGGGGCCITITCGGAIGAACAAC 97 	QY 98 ACGGGAATGCAATTGCTAAAGCTAAAACGCCTATTATGGACAAACTTGTTCTGGAA 154 1 1 1 1 1 1 1 1 1	OY 155 ATTGGGAAAAATTGGAAGCACAGGTCTTCATGTTGGATTGCCAGAAGGCTTAATGGGAA 214	OY 215 ATTCTGAAGTTGGACATTTGAATATAGGAGCTGGAAGAGTTATTTAT	QY 275 GAATTAATTIGGCIGITCAACGAAACGAGITIGITACAAAICCICAGAÌTGITGCAICAG 334 	OY 335 CTGAGCGTGCAAAGAGGGAGTGGTCGATTGCATTTATTAGGACTGGTTAGCGATGGTG 394	OY 395 GTGTCCACTCTCATATTGATCATCTTTTGCGTTGATACGTGCATTTAAAACAATTACAAG 454 1	OY 455 TGCCAAAGGTTTTCATTTTTTGTGATGGTCGAGAAACTTGGCCAACAAGAGGGG 514	OY 515 CIGGITAICITGAACAACIICTTCAAITTAITGCIICGGAAAGIACGGAGAAITGGGTA 574 	QY 575 CTATTACTGGACGTTATTATGCAATGGACAAAAGATGGGACGGTATTAAGATGG 634 	QY 635 CTTATGAGGCAATTGTTGGAGGTATTGGACAAAAGCCACCGTTGATAAGGCTG 688	689 TCGATGTTAGAGAGCGATATGCTCAATCTGAGACTGACGAATTTGTGAAACCAATTG 	QY 749 TTTTTCGGACGATGGCGAGTAAAGATGACGATACTCTTATTTCTTCAATTATCGTG 808 D	QY 809 CTGATCGTATGCGTCAAATTTGTGAATGTTTGGGTCTCGAAGGTTATÀAAGATCTTAATA 868	Qy 869 GTTCGGTTCCTCACCCTAAAAATATTCAGATTAGTGGGATGACCCAAȚACAATAAAGAGT 928
OY 595 GCAATGGATAGGACAAAAGATGGAGCGTATAAGATGGCTTATGAGCCAATTGTTGGA 654 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	OY 775 GATGACGATACTCTTATTTCTTCAATTATCGTGCTGATGGTAAATTGTGAA 834	OY 835 TGTTGGGTCTCGAACGTTATAAAGATCTTAATAGTTCGGTTCCTCACCTAAAAATATT 894 Db 832 GCGTTGTTGAAAAAGATTTCGCAGGTTTTGAGCGTAAAGTTGTACAGAACCTTTCT 888	QY 895 CAGATTAGTGGGATGACCCAATACAATAGAGGTTTCCATTGCTTATTCCACCT 954	QY 955 GIGACTCATACTAATGTGCTTGCTGCATGCTTCTCAAGGAGTTACTCAATTTCAC 1014	QY 1015 TGTGCGGAAACTGAGAAGTATCCTCATGTTACCTTCTTTAATGGTGGAGAAGTT 1074	QY 1075 CAATTCCAAGATGAAGAGCGTTGTATGGTTCCGTCACCAAAGAAGTTGCTACATATGAT 1134	OY 1135 TTARARCCAGARATGAATGCTGGAGTTGCCGAAAAATGGTCGAGCAATTGAGTCA 1194 1126 TTARAGCCTGAAATGAGTGCTTATGAAGTAACTGATGAGCTAGTCAAGCAATTAACTCG 1185	QY 1195 GGCAGGCATCCTTTGGTTATGTGCAATTTTGCGCCTCCTGACATGGTTGGACATACTGGT 1254	OY 1255 AAATTGAACCTGCCAAAGCATGTCAAGCTACTGACGAGGCAATTGGAAGATATT 1314 Db 1246 GTATTGATGCTGCAGTTAAAGCCGTTGATAGATGATAGTCGTGTATAC 1305	QY 1315 GAAGCATGCCAAACTTATAAATTACGTTCTTATGGTTACTTCCGATCATGGAAATGCTGAG 1374	QY 1375 AAGATGATTGCTCCCGATGGTAGTGAACATACTGCACATACCTGCAATTGGTCCCA 1431	Oy 1432 TTTACTT 1438 Db 1426 TTTATT 1432	RESULT 2 US-08-545-528D-1/c ; Sequence 1, Application US/08545528D	; Patent No. 6537773 ; GENERAL INPORMATION: ; APPLICANT: Fraser et al. ; TITIE OF INVENTION: Niv-leafide Semisore of the Muccollagma Confealium Concmo. Pragmont	joa.	; CURRENT APPLICATION NUMBER: US/08/545,528D ; CURRENT FILING DATE: 1995-10-19

	ATGGATGGGGCCTTTCCGATGAACACGGGGAATGCAATTGCTAAAGGCTAAAACGCCTA	71 ATGGTTTCGCAAATCGTGAAAGTGAACATGGCAATGCAGTTAAGCAAGC		TAGGTCTTCCTGAAGGTCAAATGGGTAACTCTGAAGTAGGACATATGATTGGTGAG	248 GAAGAGTTATTATCAAGATATTGTTGGAATTAATTTGGCTGTTCAACGAAACGAGTTTG 307	251 GACGCATCGTATATCAAAGTTTAACTCGFATTAATAAATCGATTGAAGACGGAGAATTCT 310 308 TTACAAATCCTCAGATTGTTGCATCAGCTGAGGGGAAAGAGGGAGTGGTCGATTGC 367		368 ATTTATTAGGACTGGTTAGCGATGGTGGTCCACTCTCATATTGATCATCTTTTTGCGT 427	TGATACGTGCATTTAAACAATTACAAGTGCCAAAGGTTTTCATTCA		S	GTCGTGATGTTCATCAAAAATCTGCTTTGAAATATATAGAGGAACTGAAGATAAAATTTA	548 CTICGGAAAAGIAGGGAGAATIGGGIACIATIACIGGAGGITATIATIGGAATGGAIAGGG 00/ 	ACAAAAGATGGGAGCGTATTAAGATGGCTTATGAGGCAATTGTTGGAGGTATTGGACAAA	611 ACAGCGTTGGGATCGTGGGAACGTGCCTATAGCTATTCGTAACTTTGAGGTCCTA 670	668 AAGCCACCGTIGATAAGGCIGICGAIGTIGITAGAGAGCGATAIGCICAAICIGAGACIG 727 	ACGAATITCIGAAACCAATIGITTTTTGGGACGAGGGGGGGGAAAAGAIGACGAIACTC		788 TRATTTCTTCAATTATCGTGCTGATCGTATGCGTCAAATTGTGAATGTTGGGTCTCG 847 	848 AACGTTATAAAGATCTTAATAGTTCGGTTCCTCACCTAAAAATATTCAGATTAGTGGGA 907	AMGCGITICATOGATITAAAGITGAACAAGIGGACAACITATICIACGCIACAT	908 TGACCCAATACAATAAAGAGTTTCCATTTCCATCATTATTCCCACCTGTGACTCATACTA 967	AGGCCTTGCTGAATGCCTTGCTTCTCAAGGAGTTACTCAATTTCACTGTGCGGAAACTG		1028 AGAAGTATCCTCATGTTACTTCTTTAATGGTGGTCGAGAAGTTCAATTCCAAGATG 1087 	1088 AAGAGCGTTGTATGGTTCCGTCACCAAAGAAGTTGCTACATATGATTTAAAACCAGAAA 1147	
	6y	do oy	g 8	. a	δλ	d yo	q -	8 8	γ δ	qa	δδ	qa ,	, d	, ko	QC	Oy Dp	Oy	qa	US OY	8 6	<u> </u>	δ έ	75 AS	q _Q	γς α <u>α</u>	ογ	qq
	Db 536731 CTGAATTGAAACGAAAAGAAAATTTATTTTTTTTTGAACAATGATGATTATGAGGGAATTG 536672	OY 929 TICCATITCCATCGTTATTCCCACCTGTGACTCATACTAATGTGCTTGCT	Qy 989 CTTCTCAAGGAGTTACTCAATTTCACTGTGCGGAAACTGAGAAGTATCCTCATGTTACCT 1048	1049 TCTTCTTAATGGTCGAGAGAGTCAATTCCAAGATGAAGAGCGTTGTATCGTTCCT 110	Db 536551 TCTTTTTGATGGTGGTTTTGAAGTTAATCTCAGCAATGAACAAAGACATTAATTCCTT 536492	QY 1109 CACCAAAAGAAGTTGCTACATATGATTTAAAACCAGAAATGAATG	Qy 1169 AAAAAATGGTCGAGCAAATTGAGTCAGGCAGCCATTTGGTTATGTGCAATTTTGCGC 1228	Db 536434 ATGCACTACTAGAAAAGCTTAATAACTTTGATTTTACTGTTTTAAATTTTGCTA 536381 Ov 1229 CTCCTGACATGGACATACTGGTAAATTTGAACCTGCGTCAAAGCATGTCAAGGTT	536380 ATCCTGATATGGTAGGTCATACTGGTAACTATCAAGCTTGCATTAAAGCTCTTGAAGGAC	Qy 1289 CIGACGAGCAATIGGAAGATATITGAAGCATGCCAAACTTATAATTACGTTCTTAIGG 1348	Db 536320 TCGATGTTCAAATTAAACGAATAGTTGATTTTTGTAAAGCTAATCAAATAACTATGTTT 536261	1349 TTACTTCCGATCATGGAAATGCTGAGAAGATGATTGCTCCCGATGGTAGTGAACATACTG	DD 53020U TAACIGCAGATCAGGGAATGCAGAAGTGATGATTGATAATAATAATCAATC	536200 AACACACTATTAATCCTGTACCATTGTATGTACTGACAAAAATGTTAACTTAATCAAA	Qy 1469 CT 1470	Db 536140 CT 536139	RESULT 3 US-09-134-001C-2607 ; Sequence 2607, Application US/09134001C	; Patent No. 6380370 ; GENERAL INFORMATION:	; APPLICANT: Lynn Doucette-Stamm et al ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS ; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS	; FILE KEEKENCE: GIC-UO/ ; CURRENT APPLICATION NUMBER: US/09/134,001C ; CURRENT FILING DATE: 1998-08-13 ; DELOB ADDITAMENT WINDED: NG 60,064,064	PRIOR FILING DATE: 1997-11-08	; PRIOR APPLICATION NUMBER: US 60/055,779; PRIOR FILING DATE: 1997-08-14; NIMMER OF SECTION OF SECT	; SEQ ID NO 2607 ; LENGTH: 1554	; TYPE: DNA ; ORGANISM: Staphylococcus epidermidis nc-no-134_001c	271.2; I	Matches 759; Conservative 0; Mismatches 703; Indels 16; Gaps	QY 12 CAAGTTTGAGATGGACAAATATCAAAATGTTCAACAAAAGTCTGTCT

1148 TGAATGCTGCTGGAGTTGCCGAAAAATGGTCGAGCAAATTGAGTCAGGCAGG	oy Oy	1249 CTTCCTGGATGGCCGCGATACCCCGCGAAAAGCGCGCAGCCGTCGCTGGAGCGTCTCGA 1190 537 TCAATTTATTGCTTCGGAAAAGTACGGAGAATTGGCTACTATTACTGGAGTTATTATGC 596
1208 IGGITAIGIGCAATITIGGGCCICCTGACAIGGTIGGACATACTGGTAAATITGAACIG 1267	qa 🥳	CGCCACCTTCGCCGGGTCGGCAAGGGCCGCATCGCCTCGATCATCGCCTATTTCGC
	à đ	29/ MATGGATAGGGAAAGATGGGAACGTATTAAGATGGCTTATGAGGAATGTGTGGGGG 200
-	Qy	
1328 CTIATAATTACGTTCTTATGGTTACTTCCGATCATGGAAATGCTGGAAAGATGCTC 1387	g &	1069 CAAGGCCGAGTTCACCGCCGACTCCTCGGTGGCAGCCCTCGAGGCGGCCTACGCCCG 1013
CCGATGGTAGTGAACATACTGCAATTTGGTCCAATTACTTGCTCTTCCA	7 Q	CGGCGAGAGGACGACTTCGTCAAGGCCACGGGTGGTCCCGGCCGG
CACAACTAATCCTGT	o d	765 GCGAGTAAAAGATGACGATACTTTATTTCTTCAATTATCGTGCTGAȚCGTATGCGTCA 824
	Ão	AATTIGIGAATGITIGGGTCTCGAACGITATAAAGATCTTAATAGITCGGTTCTCTCACCC
SULT 4	qq	GCTGAGCCGCGCCTTCGTCGAGCCGGCATTCAATGAGTTCCCCCGCGAACGAGCCCC
09-252-991A-0920/c Sequence 6920, Application US/09252991A Patent No. 6551795	oy Og	885 TAAAAATATTCAGATTAGTGGGATGACCCAATACAATAAAGAGTTTCCATTTCCATCGTT 944 835 GCAGCTGGCAGGTTTCGTCATGCTGACCAGAAGCGGGGGAGCACCCGGGGGCTGCGC 776
SENERAL INFORMATION: APPLICANT: Marc J. Rubenfield et al. TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS	Oy	945 ATTCCCACTGTGACTCATACTAATGTGCTTGCTGGCTTGCTT
CURRENT APPLICATION NUMBER: US/09/252,991A CURRENT FILING DATE: 1999-02-18 PRIOR APPLICATION NUMBER: US 60/074,788	. Qa	1005 TCAATTTCACTGTGCGGAAACTGAGAATATCCTCATGTTACCTTCTTTAATGGTGG 1064
OR FILL	Oy Dp	1065 TCGAGAAGTTCAATTCCAAGATGAAGAGCGTTGTATGGTTCCGTCACCAAAAGAAGTTGC 1124
EQ. 1D. NO 9520 LENGTH: 1557 TYPE: DNA ORGANISM: Pseudomonas aeruginosa	ХО -	1125 TACATATGATTTAAAACCAGAAATGATGCTGCTGGGTTGCCGAAAAATGGTCGAGCA 1184
Duery Watch 8.9%; Score 153.2; DB 4; Length 1557; Best Local Similarity 47.9%; Pred. No. 1.68-32; Agtches 582: Conservative 0: Mismatches 613: Indels 21: Gans 4:	oy Op	1185 AATTGAGTCAGGCAGCCATTGGTTATGTGCAATTTTGCGCCTCCTGACATGGTTGG 1244
177 CGGTCTTCATGTTGGATTGCCAGAAGCTTAATGGGAAATTCTGAAGTTGGACATTTGAA 23 11 1 1 1 1 1 1 1 1	da Dp	1245 ACATACTGGTAAATTTGAACCTGCGTCAAAGCATGTCAAGCTACTGACGAGGCAATTGG 1304
	Qy Dp	1305 AAAGATATTGAAGCATGCCAAACTTATAATTACGTTCTTATGGTTACTTCCGATCATGG 1364
	oy G	1365 AATGCTGAGAAGATG 1380
357 IGGICGATIGCATITATIAGGACTGGITGGGGGGGGGCCTCCATATIGATCA 416 	RESULT 5 US-09-25 ; Sequen	RESULT 5 US-09-252-991A-6824 Sequence 6824, Application US/09252991A
417 TCTTTTTGCGTTGATACGTGCATTTAAACAATTACAAGTGCCAAAGGTTTTCATTCA	GENERA; GENERA; APPLI	FACEUL NO. 9331793 APPLICANT: NARC J. Rubenfield et al. TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMO A:
477 TITIGCTGATGGTGGAATACTTGGCCAACAAGAGTGGAGCTGGTTATCTTGAACAACTTCT 536	; FILE ; CURRE	FILE REFERENCE: 107196.136 CURRENT APPLICATION NUMBER: US/09/252,991A

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APPLICATION MATCH.

APPLICATION MULEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONA.S TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONA.S TITLE OF INVENTION: AEROGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
CURRENCED TILLING DATE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 6774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CGTATCGTCGAGGCGCTGGACAAGGTCGGCGGCGAAGCCCTGATCACCGCCGACCACCACGG 1382
         1203 CATCGAGCAACAGCGCTACGACGTGATCGTGGTCAACTACGCCAACGGCGACATGGTCGG 1262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                280 GATGAGCGCCGGAAGTCACCGACCGTATCGTCGAGCCATCGAGCAACAGCGCTACGA 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    163 GAGAAGTACGCCCATGTAGACCTTCTTCTTCTCCGGGGGCGCGGAGGACCCTACGAGGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TGAAGAGCGTTGTATGGTTCCGTCACCAAAGAAGTTGCTACATATGATTTAAAACCAGA
                                                                                                                                                             TACATATGATTTAAAACCAGAAATGAATGCTGCTGGAGTTGCCGAAAAATGGTCGAGCA
                                                                                                                                                                                                                                                                                                                                      1245 ACATACTGGTAAATTTGAACCTGCCGTCAAAGCATGTCAAGCTACTGACGAGGCAATTGG
                                                                                                                                                                                                                                                                                                                                                                                                                        1305 AAAGATATTTGAAGCATGCCAAACTTATAATTACGTTCTTATGGTTACTTCCGATCATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         966 TAATGTGCTTGCTGAATGGCTTGCTTCTCAAGGAGTTACTCAATTTCACTGTGCGGAAAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         103 CAACGTCCTCGCCGAGTACCTGGCCAAGCATGGCAAGACCCAGCTGCGCATGCCGGAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1026 TGAGAAGTATCCTCATGTTACCTTCTTTAATGGTGGTCGAGAAGTTCAATTCCAAGA
                                                                                                               1086 CCGCGAGGAACCCTACGAGGGCGAGGGCATCCTGATCCCTCGCCGA---AGGTCGC
                                                                                                                                                                                                                                                 1185 AATTGAGTCAGGCAGGCATCCTTTGGTTATGTGCAATTTTGCGCCTCCTGACATGGTTGG
                                                                                                                                                                                                                                                                                                                                                                             1263 ccacaccegegretregaegecegegereaagecegregagrecregaeaccregaege
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  906 GATGACCCAATACAATAAAGAGTTTCCATTTCCATCGTTATTCCCACCTGTGACTCATAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              223 CGAGGAGCGCATCCTGATCCCCTCGCCGA---AGGTCGCCACCTACGACCTGCAACCCGA
                                                                      1065 TCGAGAAGTTCAATTCCAAGATGAAGAGCGTTGTATGGTTCCGTCACCAAAAGAAGTTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 741;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 105.4; DB 4;
Pred. No. 1.7e-19;
); Mismatches 246;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 6774, Application US/09252991A
; Patent No. 6551795
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ORGANISM: Pseudomonas aeruginosa
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Best Local Similarity 52.5
Matches 279; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-252-991A-6774
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                                                                                                                                                                                                                                                                      DB 4;
                                                                                                                                                                                                                                                                    Score 153.2; DB 4;
Pred. No. 1.6e-32;
0; Mismatches 613;
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
SEQ ID NO 6824
LENGTH: 1590
                                                                                                                                                                                               ; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6824
                                                                                                                                                                                                                                                                 tch 8.9%;
al Similarity 47.9%;
582; Conservative
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Best Local S
Matches 582
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1810 GATGTTTAAATAATGCAATTGCACACGTGAATTCACATGATTCAGCGTTACACATCTTT 1869
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                                          196 CCAGAAGGCTTAATGGGAAATTCTGAAGTTGGACATTTGAATATAGGAGCTGGAAGAGTT
                                                                                                                             256 ATTTATCAAGATATTGTTCGAATTAATTTGGCTGTTCAACGAAACGAGTTTGTTACAAAT
Gaps
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Mismatches 194; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
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Patent No. 6187541
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
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Lee, Ving J.
Malouin, Francois
Martin, Patrick K.
Schmid, Molly B.
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APPLICATION NUMBER: US/09/26
FILING DATE: March 9, 1999
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/714,9
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  211; Conservative
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STATE: California
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                    1206 TTTGGTTATGTGCAATTTTGCGCCTCCTGACATGGTTGGACATACTGGTAAATTTGAACC 1265
                                                                                                      1266 TGCCGTCAAAGCATGTCAAGCTACTGACGAGGCAATTGGAAAGATATTTGAAGCATGCCA 1325
                                                            340 CGTGATCGTGGTCAACTACGCCAACGCCGACATGGTCGGCCACACCGGGGTGTTCGAGGC 399
                                                                                                                                                                                                                                      460 CAAGGTCGGCGGCGAAGCCCTGATCACCGCCGACCACGGCAATGTCGAGCAGATGAGAAGA 519
                                                                                                                                             400 cecestraagecergeagrecregacaccrecaregeceraricareagecergea
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Schmid, Molly B.
APPLICANT: Sun, Dongxu
TITLE OF INVERTION: STAPHYLOCOCCUS AUREUS ANTIBACTERIAL
TITLE OF INVERTION: TARGET GENES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 95.2; DB 3;
Pred. No. 1.8e-16;
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/714,918
FILING DATE: September 13, 1996
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APPLICATION NUMBER: 60/003,798
FILING DATE: September 15, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 87, Application US/08714918
Patent No. 6037123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    60/009,102
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STREET: 633 West Fifth Street
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Malouin, Francois
Martin, Patrick K.
Schmid, Molly B.
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REFERENCE/DOCKET NUMBER: 22
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
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TELEFAX: (213) 955-0440
TELES: 67-3510
INFORMATION FOR SED ID NO: 87:
SEQUENCE CHARACTERISTICS:
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
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CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 6
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STRANDEDNESS: single
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California
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Best Local Similarity
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APPLICANT: Benton
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US-08-714-918-87
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APPLICANT:
APPLICANT:
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1750 GITIAICAAAGIITAACICGAAICAATAAATCAAIIGAAGACGGIGAITICITIGAAAAT 1809
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 2094;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 95.2; DB 3;
Pred. No. 1.8e-16;
0; Mismatches 194;
                                                         CURRENT MANUEL FOLLOWING
CURRENT MATCH 9, 1999
FILING DATE: MATCH 9, 1999
CLASSIETCATION NUMBER: US/09/265,315
FILING DATE: September 13, 1996
FILING DATE: September 13, 1996
APPLICATION NUMBER: 00/009,102
FILING DATE: December 22, 1995
APPLICATION NUMBER: 60/009,102
FILING DATE: December 15, 1995
APPLICATION NUMBER: 10, 1995
ATTORNEY/AGENT INFORMATION:
NAME: WATCHING NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 240/247
                        DOS 5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 87, Application US/09266417; Patent No. 6228588; GENERAL INFORMATION:
APPLICANT: Benton, Bret
APPLICANT: Lee, Ving J.
APPLICANT: Malouin, Francois; APPLICANT: Malouin, Francois; APPLICANT: Maltin, Patrick K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lee, Ving J.
Malouin, Francois
Martin, Patrick K.
Schmid, Molly B.
COMPUTER: IBM COmpatible
OPERATING SYSTEM: IBM P.C.
SOFTWARE: Word Perfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (213) 489-1600
TELERA: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 87:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 5.5%;
Best Local Similarity 52.1%;
Matches 211; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 2094 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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US-09-266-417-87
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                                                                                                                                                                                                                                                                                                               ; DB 3; Length 2094;
1.8e-16;
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APPLICANT: Schmid, Molly B.
APPLICANT: Sun, Dongxu
TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
TITLE OF INVENTION: TARGET GENES
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lvon.
STRPPF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2050 GCCATTGGTCAATTTGCATCTGTGTCTGGTCGTTATTATGCANTG 2094
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                                                                                                                                                                                                                                                                                                                       Score 95.2; DB 3; Length 2
Pred. No. 1.8e-16;
0; Mismatches 194; Indels
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
            REFERENCE/DOCKET NUMBER: 240/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 87:
SEQUENCE CHARACTERISTICS:
LENGTH: 2094 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 87, Application US/09265315 Patent No. 6187541
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STREET: 633 West Fifth Street
STREET: Sulte 4700
  REGISTRATION NUMBER: 32,327
                                                                                                                                                                                                                                                                                                                       Query Match 5.5%;
Best Local Similarity 52.1%;
Matches 211; Conservative (
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STATE: California
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US-09-265-315-87
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185 ATGTTGGATTGCCAGAAGGCTTAATGGGAAATTCTGAAGTTGGACATTTGAAATATAGGAG 244
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   245 CTGGAAGAGTTATTATCAAGATATTGTTCGAATTAATTTGGCTGTTCAACGAAACGAGT 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                386 GCGGCAGGATAGTGCTTCAGGATCTGTTGAGAATTAATCTTGAGATT:----AATGAGG 333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               272 GCCACATGATTGGTCTGCTTTCTGATGGTGGAGTGCATTCTCTTCAGGCGCACATGGAAA 213
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                                                                                                                                                                          Sequence 34, Application US/08975762
Patent No. 6207169
GENERAL INPORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Hodes, Michael J.
APPLICANT: Houghton, Raymond
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND NUMBER OF SEQUENCES: 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12;
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                                                                  2050 GGCATTGGTCAATTTGCATCTGTGTCTGGTCGTTATTATGCANTG 2094
                          556 AAGTACGGAGAATTGGCTACTATTACTGGACGTTATTATGCAATG 600
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                                                                                                                                                                                                                                                                                                                                                                                      E: SEED and BERRY LLP
6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ouery Match 4.7%; Score 81.4; DB 3; Best Local Similarity 53.4%; Pred. No. 5.9e-13; Matches 244; Conservative 0; Mismatches 201;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 81.4; DB 3;
Pred. No. 5.9e-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/975,762
FILING DATE: 21-MAR-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 210121.439
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER REDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 484 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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LENGTH: 484 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        206-682-6031
                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GRANISM: Ehrlichta US-08-975-762-34
                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Seattle
STATE: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                         US-08-975-762-34/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: WE COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             196 CCAGAAGGCTTAATGGGAAATTCTGAAGTTGGACATTTGAATATAGGAGCTGGAAGAGTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    376 GGACTGGTTAGCGATGGTGGTGTCCACTCTCATATTGATCATCTTTTTGCGTTGATACGT
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Best Local Similarity 52.1%; Pred. No. 1.8e-16;
Matches 211; Conservative 0; Mismatches 194; Indels
                     TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS TITLE OF INVENTION: TARGET GENES
                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/714,918
FILING DATE: September 13, 1996
APPLICATION NUMBER: 60/009,102
FILING DATE: December 22, 1995
APPLICATION NUMBER: 60/003,798
FILING DATE: September 15, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/09/266,417
FILING DATE: March 9, 1999
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 240/248
TELECOMMUNICATION INFORMATION:
                                                                                NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 613 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELERA: (213) 955-0440
TELERA: (77-3510
INFORMATION FOR SEQ ID NO: 87
SEQUENCE CHARACTERISTICS:
LENGTH: 2094 base pairs
TYPE: nucleic acid
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US-09-266-417-87
                                                                                                                                                                                                                                               COUNTRY:
  APPLICANT:
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 TGCATTTATTAGGACTGGTTAGCGATGGTGGTGTCCACTCTCATATTGATCATCTTTTTG 424
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                      172 GCCACATGATTGGTCTGCTTTCTGATGGTGGAGGTGCATTCTCTTCAGGCGCACATGGAAA
                                                                                                       212 CCATTAT---TGAGGTTATCACCGGATT'FGGCATCAAGGTTTTTATACATGTAATTCTAG
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Patent No. 6277381

GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Houghton, Raymond L.
APPLICANT: Moughton, Raymond L.
APPLICANT: Moneill, Patricia D.
TITLE OF INVENTION: COMPOINDS AND METHODS FOR THE DIAGNOSIS
TITLE OF INVENTION: AND TREATMENT OF BHELICHIA INFECTION
FILE REFERENCE: 210121.43994
CURRENT APPLICATION NUMBER: US/09/295,028
CURRENT FILING DATE: 1999-04-20
NUMBER OF SEQ ID NOS: 85

SOFTWARE: FastSEQ for Windows Version 3.0
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Pred. No. 5.9e-13;
0; Mismatches 201;
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Best Local Similarity 53.4%;
Matches 244; Conservative (
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                                                                      604
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                                 ATGGTAGGGATGTT---CCACCGCGTTCTGCTGAGGAAGTATATCGGTATGCTGAACGCTA 99
                                                                                        ATGGTCGAGATACTTCGCCAACAAGTGGAGCTGGTTATCTTGAACAACTTCTTCAATTTA
                                                                    545 ITGCTTCGGAAAAGTACGGAGAATTGGCTACTATTACTGGACGTTATTATGCAATGGATA
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                                                                                                                                                                                                                                                                                                                   APPLICANT: Reed, Steven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Houghton, Raymond
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND
NUMBER OF SEQUENCES:
ADDRESSEE: SEED and BERRY LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 484;
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Pred. No. 5.9e-13;
0; Mismatches 201;
                                                                                                                                                               GGGATAATCGCCTGGATAGGACATGTAAAGCTTATGA 2
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APPLICATION NUMBER: US/08/821,324
FILING DATE: 21-MAR-1997
                                                                                                                                                                                                                                                               Sequence 34, Application US/08821324 Patent No. 6231869 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: MAK1, DAVId J
REGISTRATION NUMBER: 31,392
REPERRNCE/POCKET NUMBER: 2101
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TUPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
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Local Similarity 53.4%;
les 244; Conservative (
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LENGTH: 484 base pairs
TYPE: nucleic acid
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CITY: Seattle
STATE: Washington
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Matches
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1449 AACATTTGTTTTTAAATCGACTCCACCTACTGGAGATGATGGCAAAGAACGTGCACGGGC 1508
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212 CCATTAT---TGAGGTTATCACCGGATTTGGCATCAAGGTTTTTATACATGTAATTCTAG 156
                                                                                                                                                     545 TTGCTTCGGAAAAGTACGGAGAATTGGCTACTATTACTGGACGTTATTATGCAATGGATA 604
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                                                                                                         155 ATGGTAGGGATGTT --- CCACCGCGTTCTGCTGAGAAGTATATCGGTATGCTGAACGCTA 99
                                                                  ATGGTCGAGATACTTCGCCAACAAGTGGAGCTGGTTATCTTGAACAACTTCTTCAATTTA
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Pred. No. 0.38;
0; Mismatches 72; Indels 0
                                                                                                                                                                                                                                               GGGACAAAAGATGGGAGCGTATTAAGATGGCTTATGA 641
                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: 60/130,628
PRIOR FILING DATE: 1999-04-22
PRIOR APPLICATION NUMBER: 60/150,262
PRIOR FILING DATE: 1999-08-23
NUMBER: FASLESQ ID NOS: 58
SEQ ID NO 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Chappell, Joseph
APPLICANT: No. 64687721, Joseph P.
APPLICANT: Starks, Courtney M.
APPLICANT: Manna, Kathleen R.
TITLE OF INVENTION: SYNTHASES
FILE REFERENCE: 07678-025001
CURRENT APPLICATION NUMBER: U5/09/398,395A
CURRENT FILING DATE: 1999-09-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; LOCATION: (3)...(2606)
; OTHER INFORMATION: abietadiene synthase
US-09-398-395A-55
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US-09-398-395A-55
; Sequence 55, Application US/09398395A
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Best Local Similarity 53.5%;
Matches 83; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 185 ATGTTGGATTGCCAGAAGGCTTAATGGGAAATTCTGAAGTTGGACATTTGAATATAGGAG 244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          446 AIGTCGGATTGCCTTCAGGTCAGTTCGGGAATTCAGAAGTAGGCACATAAGTATAGGAT 387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      245 CTGGAAGAGTTATTATCAAGATATTGTTCGAATTAATTTGGCTGTTCAACGAAACGAGT 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                386 GCGCCAGGATAGTGCTTCAGGATCTGTTGAGAATTAATCTTGAGATT-----AATGAGG 333
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        272 GCCACATGATTGGTCTGCTTTCTGATGGTGGAGTGCATTCTCTTCAGGCGCACATGGAAA 213
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                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Reced, Steven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Houghton, Raymond
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND
NUMBER OF SEQUENCES: 73
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12;
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Pred. No. 5.9e-13;
0; Mismatches 201; Indels
                                                              605 GGGACAAAAGATGGGAGCGTATTAAGATGGCTTATGA 641
                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PatentIn Release #1.0, Version #1.30
                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.439C2
REFERENCE/DOCKET NUMBER: 210121.439C2
TELECOMMUNICATION:
TELEPHONE: 206-622-4900
TELEPRAX: 206-682-6031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CUCREMY APPLICATION DATA:
APPLICATION NUMBER: US/09/106,582
FILING DATE: 29-JUN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                 Sequence 34, Application US/09106582 Patent No. 6306402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA (genomic) ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 53.4%;
Matches 244; Conservative
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TYPE: nucleic acid
STRANDEDNESS: single
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US-09-106-582-34/c
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